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LOGINID: ssspt.ase11626

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TERMINAL (ENTER 1, 2, 3, OR ?):2

NEWS 1	AUG 10	Web Page for STN Seminar Schedule - N. America
NEWS 2		Time limit for inactive STN sessions doubles to 40 minutes
NEWS 3	AUG 18	COMPENDEX indexing changed for the Corporate Source (CS) field
NEWS 4	AUG 24	ENCOMPPLIT/ENCOMPPLIT2 reloaded and enhanced
NEWS 5	AUG 24	CA/CPlus enhanced with legal status information for U.S. patents
NEWS 6	SEP 09	50 Millionth Unique Chemical Substance Recorded in CAS REGISTRY
NEWS 7	SEP 11	WPIDS, WPINDEX, and WPIX now include Japanese FTERM thesaurus
NEWS 8	OCT 21	Derwent World Patents Index Coverage of Indian and Taiwanese Content Expanded
NEWS 9	OCT 21	Derwent World Patents Index enhanced with human translated claims for Chinese Applications and Utility Models
NEWS 10	NOV 23	Addition of SCAN format to selected STN databases
NEWS 11	NOV 23	Annual Reload of IFI Databases
NEWS 12	DEC 01	FRFULL Content and Search Enhancements
NEWS 13	DEC 01	DGENE, USGENE, and PCTGEN: new percent identity feature for sorting BLAST answer sets
NEWS 14	DEC 02	Derwent World Patent Index: Japanese FI-TERM thesaurus added
NEWS 15	DEC 02	PCTGEN enhanced with patent family and legal status display data from INPADOCDB
NEWS 16	DEC 02	USGENE: Enhanced coverage of bibliographic and sequence information
NEWS 17	DEC 21	New Indicator Identifies Multiple Basic Patent Records Containing Equivalent Chemical Indexing in CA/CPlus
NEWS 18	JAN 12	Match STN Content and Features to Your Information Needs, Quickly and Conveniently

NEWS EXPRESS MAY 26 09 CURRENT WINDOWS VERSION IS V8.4,
AND CURRENT DISCOVER FILE IS DATED 06 APRIL 2009.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 13:23:41 ON 20 JAN 2010

FILE 'REGISTRY' ENTERED AT 13:23:52 ON 20 JAN 2010
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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STRUCTURE FILE UPDATES: 19 JAN 2010 HIGHEST RN 1202629-39-71
DICTIONARY FILE UPDATES: 19 JAN 2010 HIGHEST RN 1202629-39-71

New CAS Information Use Policies: enter **HELP USAGETERMS** for details.

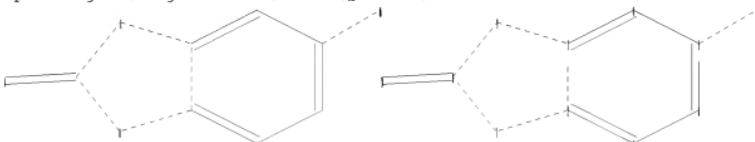
TSCA INFORMATION NOW CURRENT THROUGH June 26, 2009.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stn/gen/stndoc/properties.html>

=> Uploading C:\Program Files\STNEXP\Queries\10571264.str



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chain nodes :
10 11
ring nodes :
1 2 3 4 5 6 7 8 9
chain bonds :
5-11 8-10
ring bonds :
1-2 1-6 2-3 2-7 3-4 3-9 4-5 5-6 7-8 8-9
exact/norm bonds :
2-3 2-7 3-9 5-11 7-8 8-9 8-10
normalized bonds :
1-2 1-6 3-4 4-5 5-6

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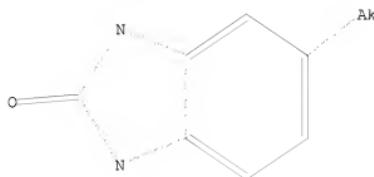
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Match level :  
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS  
11:CLASS
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L1      STRUCTURE UPLOADED
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=> d
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L1 HAS NO ANSWERS
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L1      STR
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Structure attributes must be viewed using STN Express query preparation.
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=> s 11
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SAMPLE SEARCH INITIATED 13:24:15 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 9126 TO ITERATE
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21.9% PROCESSED      2000 ITERATIONS          50 ANSWERS  
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
SEARCH TIME: 00.00.02
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FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**  
                      BATCH   **COMPLETE**  
PROJECTED ITERATIONS:  176793 TO 188247  
PROJECTED ANSWERS:     6323 TO 8643
```

```
L2      50 SEA SSS SAM L1
```

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=> s 11 ful  
FULL SEARCH INITIATED 13:24:19 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 183690 TO ITERATE
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100.0% PROCESSED    183690 ITERATIONS          7659 ANSWERS  
SEARCH TIME: 00.00.05
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L3      7659 SEA SSS FUL L1
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=> fil caplus  
COST IN U.S. DOLLARS          SINCE FILE      TOTAL  
                                ENTRY          SESSION  
FULL ESTIMATED COST          191.54         191.76
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```
FILE 'CAPLUS' ENTERED AT 13:24:26 ON 20 JAN 2010  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
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```

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FILE COVERS 1907 - 20 Jan 2010 VOL 152 ISS 4
FILE LAST UPDATED: 19 Jan 2010 (20100119/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Oct 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Oct 2009

CAPLUS now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2009.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> s 13
L4      974 L3

=> fil reg
COST IN U.S. DOLLARS
FULL ESTIMATED COST
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	SINCE FILE ENTRY	TOTAL SESSION
	0.50	192.26

FILE 'REGISTRY' ENTERED AT 13:24:34 ON 20 JAN 2010
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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STRUCTURE FILE UPDATES: 19 JAN 2010 HIGHEST RN 1202629-39-7
DICTIONARY FILE UPDATES: 19 JAN 2010 HIGHEST RN 1202629-39-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 26, 2009.

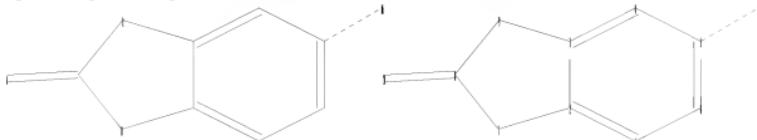
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\STNEXP\Queries\10517264b.str



chain nodes :

10 11

ring nodes :

1 2 3 4 5 6 7 8 9

chain bonds :

5-11 8-10

ring bonds :

1-2 1-6 2-3 2-7 3-4 3-9 4-5 5-6 7-8 8-9

exact/norm bonds :

2-7 3-9 5-11 7-8 8-9 8-10

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6

Match level :

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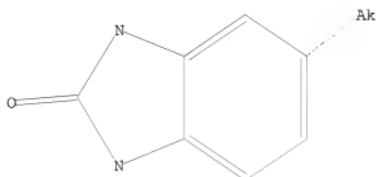
11:CLASS

L5 STRUCTURE UPLOADED

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L5 HAS NO ANSWERS

L5 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 15

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SAMPLE SCREEN SEARCH COMPLETED - 9126 TO ITERATE

21.9% PROCESSED 2000 ITERATIONS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

50 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**
PROJECTED ITERATIONS: 176793 TO 188247
PROJECTED ANSWERS: 6323 TO 8643

L6 50 SEA SSS SAM L5

=> s 15 ful
FULL SEARCH INITIATED 13:25:10 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 183690 TO ITERATE

100.0% PROCESSED 183690 ITERATIONS 7659 ANSWERS
SEARCH TIME: 00.00.05

L7 7659 SEA SSS FUL L5

=> fil caplus
COST IN U.S. DOLLARS SINCE FILE TOTAL
FULL ESTIMATED COST ENTRY SESSION
191.54 383.80

FILE 'CAPLUS' ENTERED AT 13:25:19 ON 20 JAN 2010
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FILE COVERS 1907 - 20 Jan 2010 VOL 152 ISS 4
FILE LAST UPDATED: 19 Jan 2010 (20100119/ED)
REVISED CLASS FIELDS (NCL) LAST RELOADED: Oct 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Oct 2009

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CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 17
L8 974 L7

=> s 18 and benzimidazole
27787 BENZIMIDAZOLE
6678 BENZIMIDAZOLES
29310 BENZIMIDAZOLE
(BENZIMIDAZOLE OR BENZIMIDAZOLES)
L9 232 L8 AND BENZIMIDAZOLE

=> s 19 and pentanoate

2028 PENTANOATE
86 PENTANOATES
2085 PENTANOATE
(PENTANOATE OR PENTANOATES)
L10 0 L9 AND PENTANOATE

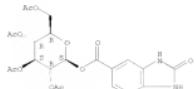
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27787 BENZIMIDAZOLE
6678 BENZIMIDAZOLES
29310 BENZIMIDAZOLE
(BENZIMIDAZOLE OR BENZIMIDAZOLES)
10376058 2
2973104 ONE
211805 ONES
3138602 ONE
(ONE OR ONES)
7229365 5
3410058 N
2028 PENTANOATE
86 PENTANOATES
2085 PENTANOATE
(PENTANOATE OR PENTANOATES)
0 BENZIMIDAZOLE-2-ONE-5-N-PENTANOATE
(BENZIMIDAZOLE(W)2(W)ONE(W)5(W)N(W)PENTANOATE)
L11 0 L8 AND BENZIMIDAZOLE-2-ONE-5-N-PENTANOATE

=> s 19 and mif
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83 MIFS
3015 MIF
(MIF OR MIFS)
L12 3 L9 AND MIF

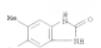
=> d ibib abs hitstr tot



322 6344Q2-91-9 CAPLUS
2-O-Glucopyranose, 2,3,4,6-tetraacetate
1-(2,3-dihydro-2-oxo-1H-benzimidazole-5-carboxylate) (CA INDEX NAME)
Absolute stereochemistry.



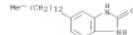
322 6344Q2-92-9 CAPLUS
2H-Benzimidazol-2-one, 5-hydroxy-1,3-dihydro-2-methyl- (CA INDEX NAME)



322 6344Q2-93-0 CAPLUS
2H-Benzimidazol-2-one, 1,3-dihydro-5-hydroxy-2-methyl- (CA INDEX NAME)



322 6344Q2-94-1 CAPLUS
2H-Benzimidazol-2-one, 1,3-dihydro-5-tridecyl- (CA INDEX NAME)



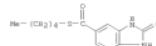
322 6344Q2-95-2 CAPLUS
2H-Benzimidazol-2-one, 4,5,7-trihydro-1,3-dihydro-6-methyl- (CA INDEX NAME)



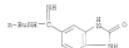
322 6344Q2-96-7 CAPLUS
Acetamide, N-(2,3-dihydro-4-methyl-1-oxo-3H-benzimidazol-5-yl)-2-(2-methylpropyl) (CA INDEX NAME)



322 6344Q2-97-4 CAPLUS
1H-Benzimidazole-5-carboxylic acid, 2,3-dihydro-2-oxo-, 2-pentyl ester (CA INDEX NAME)

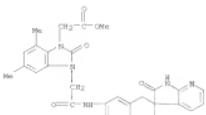


322 6344Q2-98-2 CAPLUS
1H-Benzimidazole-5-carboximidamide, N-butyl-2,3-dihydro-2-oxo- (CA INDEX NAME)

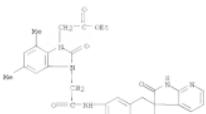


08_CITTING_KW_COUNTP: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS
RECORD
REFERENCE_COUNTP: 17 (1 CITING)
THIS THERE ARE 17 CITED REFERENCES AVAILABLE FOR
RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

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=> s 19 and glucocorticoid
      36484 GLUCOCORTICOID
      28642 GLUCOCORTICOIDS
      45917 GLUCOCORTICOID
          (GLUCOCORTICOID OR GLUCOCORTICOIDS)
L13          4 L9 AND GLUCOCORTICOID
=> d ibib abs hitstr tot
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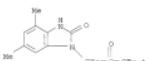



INN 880077-97-4 CAP105
 CS 1b: Benzimidazole-1-acetic acid,
 2,3-dihydro-1,7-dimethyl-2-oxo-3-[2-oxo-2-
 [1,1'-bipyridin-5-yl]aminoethyl]-, ethyl ester (PC1) (CA INDEX NAME)



NI 880078-00-2 CAPLUS
 CN 1-(Benzimidazole-1,3(2H)-diacetanide,
 H3, M3, 4,4-diphenyl-1-oxo-Nl-[1',2',3-tetrahydro-2'-oxaspiro[2H-indene-2,2'-1H-oxazolo[2,3-b]oxadiazole-5-yl]-1HCl]. (CA INDEX, NAME).

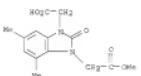
L13 ANNEX 2 OF 4 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)
CN 1S-Benzimidazole-1-acetic acid, 2,3-dihydro-4,6-dimethyl-2-oxo-,
1,1-dimethylheptyl ester (CA INDEX NAME)



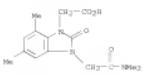
RN 767304-81-4 CAPLUS
C9 18-Benzimidazole-3,3(2H)-diacetic acid, 4,6-dimethyl-2-oxo-,
5,5-(2,5-dimethyl-3,3-dihydro-2H-1,2-dioxin-5-yl)-5-methyl- (CAS NUMBER: 100000-00-0)



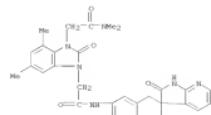
J00 767304-52-5 CAPLUS
C01 1,3-benzodioxole-2,3(2H)-dioxoic acid, 4,6-dimethyl-2-oxo-, 3-methyl ester (CA INDEX NAME)



INN 880073-11-8 CAPLUS
CN 1E-Benzimidazole-1-acetic acid, 3-[2-(dimethylamino)-2-oxoethyl]-2,3-dihydro-1,7-dimethyl-2-oxo- (CA INDEX NAME)

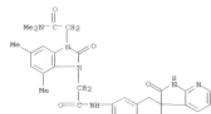


320 000079-13-0 CAPL08



BB 860078-03-5 CAPI05
CN 1B-Benzimidazole-1,3(2H)-diacetamide,

N1, N1, 4, 6-tetramethyl-2-oxo-N-(1,1",2",3-tetrahydro-2"-oxapiro[2H-indene-2,3'-1H]pyrrol[2,3-b]pyridin-5-yl)- (9CI) (CA INDEX NAME)

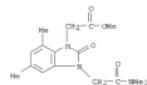


17 102300-68-9P 767304-80-3P 767304-81-4P
767304-82-5P 880079-11-8P 880079-13-0P
El:1 RCT (Reactant); SPP (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(preparation of bicyclic amide spirolactam opiate receptor
antagonist)
RN 102300-68-9 CAPLUS
RN 102300-68-9 CAPLUS



700 267294-00-3 GMP108

L13 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)
CN 1b- Benztimidazole-1-acetic acid, 3-[2-(dimethylamino)-2-oxethyl]-2,3-dihydro-5,7-dimethyl-2-oxo-, methyl ester (CA INDEX NAME)



08.CITING REF COUNT: 6 THERE ARE 6 CAPLUS RECORDS THAT CITE THIS RECORD
(7 CITINGS)

ACCESSION NUMBER: 2003-991486 CAPLUS

DOCUMENT NUMBER: 14927827 CAPLUS

TITLE: Preparation of benzimidazole derivatives which inhibit the cytokine or biological activity of macrophage migration inhibitory factor (MIF)

INVENTOR(S): Morand, Eric; Francis, Isakden; Mayy, Naguib

PATENT/ASSIGNEE(S): Cortilab Pty. Ltd., Australia

SOURCE: CCONIN FINLAND

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACCN. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.: WO 2003124203

KIND: PCT

DATE: 20031118

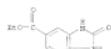
APPLICATION NO.: WO 2003-051717

DATE: 20030606

WO 2003124203

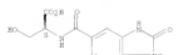


ESI 634402-84-9 CAPLUS
18-Benzimidazole-5-carboxylic acid, 2,3-dihydro-3-oxo-, ethyl ester (CA INDEX NAME)



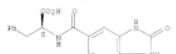
ESI 634402-84-9 CAPLUS
L-Benzimidazole, 2-[{[2-(2,3-dihydro-3-oxo-18-benzimidazol-5-yl)carbonyl]-[CA INDEX NAME]

Absolute stereochemistry.

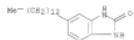


ESI 634402-88-3 CAPLUS
CH 2-[{[2-(2,3-dihydro-3-oxo-18-benzimidazol-5-yl)carbonyl]-[CA INDEX NAME]

Absolute stereochemistry.



ESI 634402-93-4 CAPLUS
CH 18-Benzimidazole-5-carboxamide, N-[{[2-(3,4-dihydroxyphenyl)ethyl]-2,3-dihydro-2-oxo- (CA INDEX NAME)



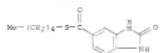
ESI 634402-95-2 CAPLUS
CH 18-benzimidazole-2-one, 4,5,7-trihydro-1,3-dihydro-6-methyl- (CA INDEX NAME)



ESI 634402-98-3 CAPLUS
CH Acetanide, N-[{[2-(3,4-dihydro-4-methyl-2-oxo-18-benzimidazol-5-yl)-2-(2-pyrimidinylthio)- (CA INDEX NAME)



ESI 634402-99-1 CAPLUS
CH 18-benzimidazole-5-carboxylic acid, 2,3-dihydro-3-oxo-, 5-pentyl ester (CA INDEX NAME)

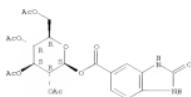


ESI 634407-00-2 CAPLUS
CH 18-benzimidazole-5-carboximidamide, N-butyl-2,3-dihydro-2-oxo- (CA INDEX NAME)



ESI 634402-91-8 CAPLUS
CH β -D-Glucopyranose, 2,3,4,6-tetraacetate
1-[{[2-(2,3-dihydro-3-oxo-18-benzimidazol-5-yl)carbonyl]-[CA INDEX NAME]

Absolute stereochemistry.



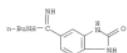
ESI 634402-92-9 CAPLUS
CH 2B-Benzimidazol-2-one, 5-hydroxy-1,3-dihydro-4-methyl- (CA INDEX NAME)



ESI 634402-93-0 CAPLUS
CH 2B-Benzimidazol-2-one, 1,3-dihydro-5-hydroxy-6-methyl- (CA INDEX NAME)



ESI 634402-94-1 CAPLUS
CH 2B-Benzimidazol-2-one, 1,3-dihydro-5-tridecyl- (CA INDEX NAME)



QS CITING RECORD COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD

REFERENCE COUNT: 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE

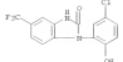
FORMAT

L13 ANNEA 4 OF 4 CARLOS COPIRIGHT 1910 ACIS ON STM
ACCESSION NUMBER: 20039-72179 CARLOS
DOCUMENT NUMBER: 140-35346
TITLE: CPTT-10001
particular Kite-2, and their
existing cystic fibrosis and
disease, and for identifying
Whitfield, Safire Allian; Arcos
Clark; Jean Castwell
Children's Hospital Medical
Center, April, '00 pp.
SOURCES: COMM-FICTION
DOCUMENT TYPE: Patent
PUBLICATION DATE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT 192.

MO	202123240	A3	20042111	MO	2023-0518499	2023-05170
Mr.	AB, AC, AD, AE, AF, AG, AH, AI, AJ, AK, AL, AM, AN, AR, AS, AT, AU, AV, AW, AX, BY, CY, DE, ES, FR, GR, IE, IT, LU, MT, NL, PT, SE, SI, TR, UK, US, VN, ZA, ZW	AB, BC, BD, BE, BI, BR, BS, BT, CG, CR, CS, DE, DK, ES, FR, GE, GU, HE, HI, HS, IE, IS, LI, LU, ME, MT, MU, NL, PT, SE, SI, TR, UK, US, VN, ZA, ZW	AB, BC, BD, BE, BI, BR, BS, BT, CG, CR, CS, DE, DK, ES, FR, GE, GU, HE, HI, HS, IE, IS, LI, LU, ME, MT, MU, NL, PT, SE, SI, TR, UK, US, VN, ZA, ZW	AB, BC, BD, BE, BI, BR, BS, BT, CG, CR, CS, DE, DK, ES, FR, GE, GU, HE, HI, HS, IE, IS, LI, LU, ME, MT, MU, NL, PT, SE, SI, TR, UK, US, VN, ZA, ZW	AB, BC, BD, BE, BI, BR, BS, BT, CG, CR, CS, DE, DK, ES, FR, GE, GU, HE, HI, HS, IE, IS, LI, LU, ME, MT, MU, NL, PT, SE, SI, TR, UK, US, VN, ZA, ZW	AB, BC, BD, BE, BI, BR, BS, BT, CG, CR, CS, DE, DK, ES, FR, GE, GU, HE, HI, HS, IE, IS, LI, LU, ME, MT, MU, NL, PT, SE, SI, TR, UK, US, VN, ZA, ZW
200	BR, BS, BT, CG, CR, CS, DE, DK, ES, FR, GE, GU, HE, HI, HS, IE, IS, LI, LU, ME, MT, MU, NL, PT, SE, SI, TR, UK, US, VN, ZA, ZW	BR, BS, BT, CG, CR, CS, DE, DK, ES, FR, GE, GU, HE, HI, HS, IE, IS, LI, LU, ME, MT, MU, NL, PT, SE, SI, TR, UK, US, VN, ZA, ZW	BR, BS, BT, CG, CR, CS, DE, DK, ES, FR, GE, GU, HE, HI, HS, IE, IS, LI, LU, ME, MT, MU, NL, PT, SE, SI, TR, UK, US, VN, ZA, ZW	BR, BS, BT, CG, CR, CS, DE, DK, ES, FR, GE, GU, HE, HI, HS, IE, IS, LI, LU, ME, MT, MU, NL, PT, SE, SI, TR, UK, US, VN, ZA, ZW	BR, BS, BT, CG, CR, CS, DE, DK, ES, FR, GE, GU, HE, HI, HS, IE, IS, LI, LU, ME, MT, MU, NL, PT, SE, SI, TR, UK, US, VN, ZA, ZW	BR, BS, BT, CG, CR, CS, DE, DK, ES, FR, GE, GU, HE, HI, HS, IE, IS, LI, LU, ME, MT, MU, NL, PT, SE, SI, TR, UK, US, VN, ZA, ZW
CA	24080012	A3	20051233	CA	2023-05189213	2023-05170
MO	2023-051791	A3	20051219	MO	2023-051791	2023-05170
Mr.	AB, AC, AD, AE, AF, AG, AH, AI, AJ, AK, AL, AM, AN, AR, AS, AT, AU, AV, AW, AX, BY, CY, DE, ES, FR, GR, IE, IT, LU, MT, NL, PT, SE, SI, TR, UK, US, VN, ZA, ZW	AB, BC, BD, BE, BI, BR, BS, BT, CG, CR, CS, DE, DK, ES, FR, GE, GU, HE, HI, HS, IE, IS, LI, LU, ME, MT, MU, NL, PT, SE, SI, TR, UK, US, VN, ZA, ZW	AB, BC, BD, BE, BI, BR, BS, BT, CG, CR, CS, DE, DK, ES, FR, GE, GU, HE, HI, HS, IE, IS, LI, LU, ME, MT, MU, NL, PT, SE, SI, TR, UK, US, VN, ZA, ZW	AB, BC, BD, BE, BI, BR, BS, BT, CG, CR, CS, DE, DK, ES, FR, GE, GU, HE, HI, HS, IE, IS, LI, LU, ME, MT, MU, NL, PT, SE, SI, TR, UK, US, VN, ZA, ZW	AB, BC, BD, BE, BI, BR, BS, BT, CG, CR, CS, DE, DK, ES, FR, GE, GU, HE, HI, HS, IE, IS, LI, LU, ME, MT, MU, NL, PT, SE, SI, TR, UK, US, VN, ZA, ZW	AB, BC, BD, BE, BI, BR, BS, BT, CG, CR, CS, DE, DK, ES, FR, GE, GU, HE, HI, HS, IE, IS, LI, LU, ME, MT, MU, NL, PT, SE, SI, TR, UK, US, VN, ZA, ZW
Mr.	AB, AC, AD, AE, AF, AG, AH, AI, AJ, AK, AL, AM, AN, AR, AS, AT, AU, AV, AW, AX, BY, CY, DE, ES, FR, GR, IE, IT, LU, MT, NL, PT, SE, SI, TR, UK, US, VN, ZA, ZW	AB, BC, BD, BE, BI, BR, BS, BT, CG, CR, CS, DE, DK, ES, FR, GE, GU, HE, HI, HS, IE, IS, LI, LU, ME, MT, MU, NL, PT, SE, SI, TR, UK, US, VN, ZA, ZW	AB, BC, BD, BE, BI, BR, BS, BT, CG, CR, CS, DE, DK, ES, FR, GE, GU, HE, HI, HS, IE, IS, LI, LU, ME, MT, MU, NL, PT, SE, SI, TR, UK, US, VN, ZA, ZW	AB, BC, BD, BE, BI, BR, BS, BT, CG, CR, CS, DE, DK, ES, FR, GE, GU, HE, HI, HS, IE, IS, LI, LU, ME, MT, MU, NL, PT, SE, SI, TR, UK, US, VN, ZA, ZW	AB, BC, BD, BE, BI, BR, BS, BT, CG, CR, CS, DE, DK, ES, FR, GE, GU, HE, HI, HS, IE, IS, LI, LU, ME, MT, MU, NL, PT, SE, SI, TR, UK, US, VN, ZA, ZW	AB, BC, BD, BE, BI, BR, BS, BT, CG, CR, CS, DE, DK, ES, FR, GE, GU, HE, HI, HS, IE, IS, LI, LU, ME, MT, MU, NL, PT, SE, SI, TR, UK, US, VN, ZA, ZW
CH	26171717	A3	20050922	CH	2023-051747	2023-05170
DE	2025125449	T	20050922	DE	2024-101582	2023-05170
DE	2025125451	A3	20050722	DE	2024-101583	2023-05170
PUBLICITY	AP2101	INFO..	2024-384553	P	20202331	
			US 2022-384549	F	202020531	

ASSIGNMENT HISTORY FOR US PATENT APPLICATIONS AVAILABLE IN LEGS DISPLAY FORMAT
The invention relates to CTR4 modulator genes, in particular the *Xkr4.2* gene, as well as their expressed proteins, that are useful in treating cystic fibrosis. The *Xkr4.2* gene, as well as its expressed protein, have been found that *Xkr4.2* able to compensate for the absence of *Cfr4*. The *Xkr4.2* gene enhances and potentiates chloride (Cl⁻) ion transportation by providing potassium (K⁺) channels as an alternative pathway(s). In addition, it has been found that the expressed polypeptide(s) of the *Xkr4.2* gene that provide these K₊ channels can be activated and/or regulated in response to various agents, such as cAMP stimulating agents (e.g., forskolin), and/or agents that stimulate Cl⁻ channels, such as Cl⁻ dependent channels. Methods and protocols for detecting and/or measuring the expression of the *Xkr4.2* gene are also provided.



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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
FULL ESTIMATED COST	ENTRY	SESSION
	67.27	451.07
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
CA SUBSCRIBER PRICE	ENTRY	SESSION
	-5.95	-5.95

STN INTERNATIONAL LOGOFF AT 13:29:47 ON 20 JAN 2010